## INTERNATIONAL SEARCH REPORT



A. CLASSIFICATION OF SUBJECT MATTER IPC 7 G05G9/047 B25J17/02

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) IPC 7 G05G B25J F16H B23Q

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.	
X	PATENT ABSTRACTS OF JAPAN vol. 1999, no. 08, 30 June 1999 (1999-06-30) -& JP 11 058286 A (MURATA MACH LTD), 2 March 1999 (1999-03-02) abstract; figures 1-3		
<b>X</b>	PATENT ABSTRACTS OF JAPAN vol. 2000, no. 11, 3 January 2001 (2001-01-03) -& JP 2000 210831 A (SEIKO SEIKI CO LTD), 2 August 2000 (2000-08-02) abstract; figure 5 -/	1,2,21	

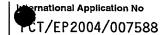
Further documents are listed in the continuation of box C.	γ Patent family members are listed in annex.
<ul> <li>Special categories of cited documents:</li> <li>"A" document defining the general state of the art which is not considered to be of particular relevance</li> <li>"E" earlier document but published on or after the international filing date</li> <li>"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another cltation or other special reason (as specified)</li> <li>"O" document referring to an oral disclosure, use, exhibition or other means</li> <li>"P" document published prior to the international filing date but later than the priority date claimed</li> </ul>	<ul> <li>"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</li> <li>"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</li> <li>"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.</li> <li>"&amp;" document member of the same patent family</li> </ul>
Date of the actual completion of the international search  1 September 2004	Date of mailing of the International search report  15/09/2004
Name and mailing address of the ISA  European Palent Office, P.B. 5818 Patentlaan 2  NL – 2280 HV Rijswijk  Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  Fax: (+31-70) 340-3016	Authorized officer  Lumineau, S

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C.(Continu	ation) DOCUMENTS CONSIDERED TO BE RELEVANT	PC1/EP2004/00/588		
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A	ARAI T ET AL: "DEVELOPMENT OF 3 DOF MICRO FINGER" PROCEEDINGS OF THE 1996 IEEE/RSJ INTERNATIONAL CONFERENCE ON ROBOTS AND SYSTEMS (IROS). OSAKA, NOV. 4 - 8, 1996, PROCEEDINGS OF THE IEEE/RSJ INTERNATIONAL CONFERENCE ON ROBOTS AND SYSTEMS (IROS), NEW YORK, IEEE, US, vol. 2, 4 November 1996 (1996-11-04), pages 981-987, XP000771586 ISBN: 0-7803-3214-8 the whole document	1,6,7		
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A .	FRISOLI A ET AL: "Design of a new tendon driven haptic interface with six degrees of freedom"  ROBOT AND HUMAN INTERACTION, 1999. RO-MAN '99. 8TH IEEE INTERNATIONAL WORKSHOP ON PISA, ITALY 27-29 SEPT. 1999, PISCATAWAY, NJ, USA, IEEE, US, 27 September 1999 (1999-09-27), pages 303-308, XP010530471  ISBN: 0-7803-5841-4 the whole document	1-22		

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Form PCT/ISA/210 (patent family annex) (January 2004)